Related Work

Clustering Gaze Data:

Segmentation using fixations:

Our Contribution

Comic artists direct viewer gaze towards regions important to the storyline. Gaze data is thus a natural substitute to manual user input for identifying “effects-worthy” segments.

We propose a method to cluster the noisy gaze data, and use the clusters to obtain compelling segments from the image. Effects can then be applied to this segment.

Method

Oversegment the input image using Simple Linear Iterative Clustering [1]

Cluster gaze data using Relative Eigen Quality (REQ) [2] in a Normalized Graph-cuts framework

REQ facilitates automatic selection of number of clusters

Assemble fragments into complete object using gaze density

Effects can then be applied on this object

References